

Christopher A. Lindgren

Department of English
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Education

University of
Minnesota
Writing Studies

Ph.D. in Rhetoric and Scientific and Technical Communication, 2017
Dissertation: Ways with data: Understanding coding as writing
Committee: Christina Haas (Advisor), Richard Graff, Patrick Bruch, and Sashank Varma
(Outside member, Educational Psychology)

North Dakota
State University
English

M.A. in Composition Studies, 2012
B.A. in English Studies, 2004

Appointments

Virginia Tech,
Department of
English

Assistant Professor of Technical Communication and Data Visualization
2017 – present

Publications

in-progress
articles

Lindgren, Chris & Margaret Fernandes. Building an infrastructural praxis: Understanding Twitter's embeddedness in the U.S.-Mexico Border. *Reflections: A Journal of Community-Engaged Writing and Rhetoric*. Accepted and under review for Special issue on "Language, Access, and Power in Technical Communication."

Reckoning with the situatedness of data: Applying stasis to study data-driven settings. Under review at *Technical Communication Quarterly*.

refereed
articles

Hart-Davidson, William, Jim Ridolfo & Chris Lindgren. (2022). 'Hello is this the writing center?' Illicit paper mill activity and the compromised recomposition of university websites. *Kairos*, 26(2). <https://praxis.technorhetoric.net/tiki-index.php?page=PraxisWiki:.:PaperMills>. ****Invited submission.**

(Jan. 2021). Facts upon delivery: What is rhetorical about visualized models? *Journal of Business and Technical Communication*, 35(1), 65-72. <https://doi.org/10.1177/1050651920958499> ****Special issue in response to COVID-19.**

(Jan. 2021). Writing with data: A study of coding on a data-journalism team. *Written Communication*, 38(1), 114-162. ****First article empirically theorizing code as writing for Rhetoric & Writing Studies in this flagship international journal.**

Lindgren, Chris & Jim Ridolfo. (2020). Rhetmap.org: Composing data for future re-use and visualization. *Kairos*, 28(1). <https://praxis.technorhetoric.net/tiki-index.php?page=PraxisWiki: :rhetmap> ****Special issue on "Data Visualization in Composition Studies"**

chapters

Brooks, Kevin & Chris Lindgren. (2015). Responding to the coding crisis: From 'Code Year' to computational literacy. In L. C. Lewis, (Ed.), *Strategic Discourse: The Politics of (New) Literacy Crises*. Salt Lake City, UT: Computers and Composition Digital Press. Available at <http://ccdigitalpress.org/strategic/index.html>. ****Result of community-outreach program that I helped co-create and co-organize.**

Brooks, Kevin, Lindgren, Chris & Matthew Warner. (2015). Tackling a fundamental problem: Using digital labs to build a smarter computing culture. In B. Hart-Davidson & J. Ridolfo, (Eds.), *Rhetoric and the Digital Humanities*. Chicago, IL: University of Chicago Press. ****Result of community-outreach program that I helped co-create and co-organize.**

Hawk, Byron, Lindgren, Chris & Andrew Mara. (2015). Utopian Laptop Initiatives: From technological deism to object-oriented rhetoric. In Sidney Dobrin, (Ed.). *Writing Posthumanism, Posthuman Writing*. Anderson, SC: Parlor Press.

proceedings

Baniya, Sweta G., Hutchinson, Les, Kumari, Ashanka, Larson, Kyle & Chris Lindgren. (2019). Representing diversity in digital research: Digital feminist ethics and resisting dominant normatives. In C. Chen, K. Purzycki, & L. Wilkes (Eds.), *The Proceedings of the Annual Computers and Writing Conference*. Fort Collins, CO: WAC Clearinghouse. Available at <https://wac.colostate.edu/resources/wac/proceedings/cw2018/>.

digital humanities

(2020). Name That Twitter Community!: A Python module for humanities researchers. *Reviews in DH*, 1(2). Available at [doi: 10.21428/3e88f64f.1302b7aa](https://doi.org/10.21428/3e88f64f.1302b7aa). ****Module write-up and code archived by the journal and reviewed by nationally-recognized digital humanities scholar, Dr. Melanie Walsh.**

book reviews

(2013). BASIC coding cultures. [Review of the book *10 PRINT CHR\$(205.5+RND(1)); : GOTO 10*, by N. Montfort, P. Baudoin, J. Bell, I. Bogost, J. Douglass, M. C. Marino, M. Mateas, C. Raes, M. Sample, & N. Vawter. *Enculturation*, 16. Available at <http://enculturation.net/10-print>.

non-refereed

Lindgren, Chris, Ridolfo, Jim & William Hart-Davidson. (Jan. 2022). Addendum to [Paper Mill] RhetCompromised: Applicability to Canada. *Rhet Ops: Rhetoric and Information Warfare*. [Blog / Report] Available <http://www.rhetops.org/canada/>. ****Invited report based on a requested consultation by internationally-recognized scholar of university education and academic integrity, Dr. Sarah Elaine Wheaton**

Ridolfo, Jim, Hart-Davidson, William & Chris Lindgren. (Mar. 2021). Addendum to [Paper Mill] RhetCompromised: Applicability to Australia. *Rhet Ops: Rhetoric and Information Warfare*. [Blog / Report] Available at <http://www.rhetops.org/rhetcompromised/australia/>. ****Invited report based on a requested consultation by internationally-recognized scholar of university education and academic integrity and Associate Dean (Education) in the Faculty of Arts, Design and Architecture at UNSW, Sydney, Dr. Cath Ellis**

Lindgren, Chris, Ridolfo, Jim & William Hart-Davidson. (Aug. 2021). Addendum to [Paper Mill] RhetCompromised: Applicability to United States. *Rhet Ops: Rhetoric and Information Warfare*. [Blog / Report] Available at <http://www.rhetops.org/august/>.

(22 Aug. 2016). Exploring #RSA16 Twitter data. *The Coalition of Feminist Scholars in the History of Rhetoric and Composition*. Available at <https://cfshrc.org/inventing-new-ways-with-twitter-data/> ****Invited guest blog post**

(30 Jun. 2015). Interview with digital rhetorician Estee Beck on algorithmic surveillance. *Institute of Advanced Study: CodeWork Collaborative*. University of Minnesota. Available at https://umncodework.github.io/past_events/codework-interview-beck-digrhet-surveillance/.

(15 Jun. 2015). Interview with new media artist Daniel Temkin on esolangs. *Institute of Advanced Study: CodeWork Collaborative*. University of Minnesota. Available at https://umncodework.github.io/past_events/codework-interview-temkin-esolangs/.

Presentations

invited

Jim Ridolfo, William Hart-Davidson & Chris Lindgren. (20 Oct. 2021). Tracking illicit 'paper mill' activity and the compromised recomposition of university websites. *International Center for Academic Integrity's International Day of Action Against Contract Cheating*. University Ombuds, Michigan State University. ****Featured presentation for event**

Guest lecture. (2021 Apr. 14). Discussing my article, "Writing with data." Dr. John Gallagher's "Writing with Technologies" course. University of Illinois-Urbana-Champaign.

Guest lecture. (2018 Feb. 6). Discussing rhetoric, code and software studies. Undergraduate "Rhetoric, Technology, and the Internet" course, University of Minnesota-Twin Cities.

(Nov. 2018). Writing with data: A case of a coder's data sense on a data-journalism team. *STS Seminar*. Department of Science, Technology, and Society, Virginia Tech.

(Jan. 2016). Code literacy. *Critical Code Studies Working Group* (Online, dialogic conference). The Humanities and Critical Code Studies Lab, University of Southern California.

(Oct. 2014). The dynamic materialities of computer programming practices. ACM SIGDOC. Colorado Springs, CO.

(Mar. 2014). Critical code studies roundtable. *Digital Arts, Sciences, and Humanities*. University of Minnesota: Digital Library Services.

conferences

Uluak Itchuaqiyag, Cana, Kramer, Corina, and Chris Lindgren. Enacting Equitable UX in Community-Engaged Rematriation Research. *IEEE ProComm*. Limerick, Ireland. Submitted proposal.

- Lindgren, Chris, and Margaret Fernandes. (May 2022). The when of oppression: Understanding Twitter's embeddedness in the U.S.-Mexico Border. *RSA*.
- Sweta Baniya, Chris Lindgren, Kevin Smith, Steve Parks, and Laura Gonzales. (Mar. 2022). The white supremacy of academic scholarship: A data analysis of Composition/Rhetoric top journals and the denial of equity. *NCTE CCCC*. Chicago, IL.
- Lindgren, Chris & Margaret Fernandes. (Jun. 2021). The when of racialized infrastructure: Proximities of white supremacy on Twitter. *ATTW*. Online.
- Lindgren, Chris & Margaret Fernandes. (Mar. 2020). Proximities of white supremacy online: Towards measuring racist discourse to engage content moderation problems. *ATTW*. Milwaukee, WI. [Conference cancelled]
- (Mar. 2019). Ethical tactics for coding literacy. *NCTE CCCC*. Pittsburgh, PA.
- (May 2018). Invention and quantification: Finding stories with digital data. *Rhetoric Society of America*. Minneapolis, MN.
- Baniya, Sweta G., Hutchinson, Les, Kumari, Ashanka, Larson, Kyle & Chris Lindgren. (May 2018). Roundtable on Representing diversity in digital research: Digital feminist ethics and resisting dominant norms. *Computers & Writing*. Fairfax, VA.
- (Feb. 2018). Finding stories with data through computer coding. *Symposium on Communicating Complex Information*. East Carolina University, Greenville, NC.
- (Sep. 2016). Understanding big data processing as designing provisional texts. *ACM SIGDOC: Student Research Competition*. Silver Springs, MD.
- (May 2016). How do you know what they are doing? Researching the rhetorics of action and procedure with an embodied and distributed methodology. *Rhetoric Society of America*. Atlanta, GA.
- (Oct. 2015). Writing practices anchored by links. *WIDE-EMU*. Michigan State University, East Lansing, MI.
- (May 2014). Swapping gender and negotiating differences through data structures. *Rhetoric Society of America*. San Antonio, TX.
- (Feb.-Mar. 2014). 'Genderswapping' or 'misgendering'? A question of 'Jailbreaking the Patriarchy'. *Critical Code Studies Working Group (discussion thread leader)*. The Humanities and Critical Code Studies Lab, University of Southern California.
- Haas, Christina & Chris Lindgren. (February 2014). Panel co-respondent. The material turn in Writing Studies. *Writing Across Borders III*. Paris, France.
- (Oct. 2013). The rhetorical influence of Google's ecosystem of APIs on web developer practices. *Western States Rhetoric & Literacies*. Salt Lake City, UT.
- (Apr. 2013). The performative stylistics of glitching video codecs. *Doing Rhetoric at the*

U. Minneapolis, MN.

(Mar. 2013). Building a smarter computing culture with proceduracy. *NCTE CCCC*. Las Vegas, NV.

(Dec. 2012). De-boxing Pandora: Tinkering with glitch art methodologies. *GLI.TC/H*. Chicago, IL.

Brooks, Kevin, Chris Lindgren, Emily Bartz & Jade Sandbulte. (Nov. 2012). The techno-social politics of the Sugar OS: An afterschool computer program case study." *Great Plains Alliance for Computers and Writing*. Mankato, MN.

Brooks, Kevin & Chris Lindgren. (May 2011). Participating in OLPC: Visions for Computers and Writing. *Computers and Writing*. University of Michigan.

Lindgren, Chris, Abigail Bakke, Sreerupa Sengupta & Karen Sorenson. (October 2010). Second Life and Writing in the Design Professions. *Great Plains Alliance for Computers and Writing*. North Dakota State University.

workshops &
symposiums

(Fall 2021). Mock job interview workshop. Virginia Tech, Department of English.

(Fall 2020). Alternative Academic Career Workshop and Q&A. *Rhetoric & Writing*. Virginia Tech, Department of English.

(May 2019). Project management: On scaffolding investment & accountability during team projects. *Professional & Technical Writing Summer Workshop*. Virginia Tech, Department of English.

(Nov. 2018). Analytical coding workshop. Virginia Tech, Center for Rhetoric in Society. Co-designed with guest scholar Dr. Cheryl Geisler.

(Oct. 2018). Mock job interview workshop. Virginia Tech, Department of English.

(Oct. 2017). Resume workshop. Virginia Tech, Department of English.

(May 2016). DITA and writing with content reuse in mind. *Advanced Writing Symposium*. University of Minnesota-Twin-Cities, Department of Writing Studies.

(Dec. 2014). Setting up your online portfolio website & basic HTML and CSS. *Professional Development Workshop Series*. University of Minnesota-Twin-Cities, Department of Writing Studies.

(Oct. 2014). Constructing your professional web presence. *Professional Development Workshop Series*. University of Minnesota-Twin-Cities, Department of Writing Studies.

(Feb.-Mar. 2012). *Critical Code Studies Working Group (participant)*. The Humanities and Critical Code Studies Lab, University of Southern California.

Lindgren, Chris & Rebecca Hayes. (Oct. 2011). Seeing and constructing visual arguments in online spaces. *Innovation in the Composition Classroom: Ways to*

Incorporate Digital Tools. North Dakota State University.

(Aug. 2011). The GeoProfile Project: Stories cutting across maps. *English Department Teachers Orientation Workshop*. North Dakota State University.

(Aug. 2010). Online writing spaces with Weebly.com. *English Department Technologies Workshop*, North Dakota State University.

public coverage
press

Universities warned over online 'cheating hacks.' (14 Apr. 2021). *The Australian*.
<https://www.theaustralian.com.au/higher-education/universities-warned-over-online-cheating-hacks/news-story/22a0e81a298a5fe0cc51b855c0835c16>

Essay mills 'infiltrating university websites.' (31 Mar. 2021). Times Higher Education.
<https://www.timeshighereducation.com/news/essay-mills-infiltrating-university-websites>

Cheating companies hacked websites at MIT, Stanford, Columbia and more than 100 other schools. (25 Feb. 2021). *Forbes.com*.
<https://www.forbes.com/sites/dereknewton/2021/02/25/cheating-companies-hacked-websites-at-mit-stanford-columbia--and-more-than-100-other-schools>

Learning sweetly: Madison students get a screenful of Sugar program. (27 Mar. 2012). *InForum*. <https://www.inforum.com/news/3014953-learning-sweetly-madison-students-get-screenful-sugar-program>

other

Woods, Charles. (6 Dec. 2021). Interview about 'Hello is this the writing center?' paper mill research. *The Big Rhetorical Podcast*, Ep. 86. <https://anchor.fm/the-big-rhetorical/episodes/Episode-86-Drs--Bill-Hart-Davidson--Jim-Ridolfo---Chris-Lindgren-e1baj4o> ****Invited interview with award-winning podcast within the discipline; Most downloads in first week and second most downloaded episode in 2021**

Integrity Unit. (9 Apr. 2021). Advisory Statement: Cyber security concerns – commercial cheating services. Tertiary Education Quality and Standards Agency. <https://www.teqsa.gov.au/advisory-statement-cyber-security-concerns-commercial-cheating-services>. ****Invited to advise this national agency's coordinated strategies to resolve issues with paper mills across all Australian colleges and universities.**

(15 Apr. 2015). The rhetorics of code-work and programming as writing. Special Panel of interdisciplinary scholars: Drs. Annette Vee, Cristina Videira Lopes & Krista Kennedy. *CodeWork Collaborative*. Institute of Advanced Studies, University of Minnesota. Available at https://umncodework.github.io/past_events/codework-event-on-rhetoric-writing/. ****Organized and moderated invited panel of interdisciplinary scholars.**

Teaching
Virginia Tech

Spring 2022

ENGL 4814 Developing Online Content
ENGL 5614 Visual Rhetoric & Document Design

	Fall 2021	ENGL 3814 Creating User Documentation ENGL 4814 Developing Online Content
	Spring 2021	ENGL 4814 Developing Online Content ENGL 4874 User Experience Research Methods
	Fall 2020	ENGL 3814 Creating User Documentation ENGL 4814 Developing Online Content
	Spring 2020	ENGL 6344 Rhetoric in Digital Environments ENGL 4814 Developing Online Content
	Spring 2019	ENGL 4874 Feminisms and Interaction Design ENGL 4814 Developing Online Content
	Fall 2018	ENGL 4814 Developing Online Content ENGL 3844 Writing and Digital Media
	Spring 2018	ENGL 5674 Rhetoric of Science and Technology ENGL 3844 Writing and Digital Media
	Fall 2017	ENGL 3844 Writing and Digital Media (x2)
<i>University of Minnesota</i>	Spring 2017	WRIT 3562W Technical and Professional Writing
	Fall 2016	WRIT 3577W Rhetoric, Technology, and the Internet
	Spring 2016	WRIT 3562W Technical and Professional Writing
	Fall 2015	WRIT 4662W Writing with Digital Technologies
	Spring 2015	WRIT 3577W Rhetoric, Technology, and the Internet
	Fall 2014	WRIT 3577W Rhetoric, Technology, and the Internet
	Fall 2012	WRIT 1301 University Writing
<i>North Dakota State University</i>	Fall 2009 – Spring 2012	ENGL 110 Composition I (2 sections per semester)

Relevant Experiences

Linger Ink

Freelance Writer and Editor, 2005 – 2012

- Collaborated with marketing teams on branding campaigns by developing ideas and copy for web, brochures, media kits and radio scripts
- Developed content strategies and websites for businesses
- Wrote and edited grants, proposals, press releases, etc.

Awards &

Fellowships

- 1st Place. Student Research Competition. (Sep. 2016). Understanding big data as designing provisional texts: A case of how an aggregate narrative was made. Poster and presentation judged at *Special Interest Group on the Design of Communication*.
- 21st Century Summer Research Fellow. (Summer 2016). Department of Writing Studies and Graduate School, University of Minnesota.
- Graduate Research Partnership Program Fellow. (Summer 2015). Department of Writing Studies and Graduate School, University of Minnesota.
- RSA Social Media Fellow. (May 2014). Rhetoric Society of America.
- James I. Brown Fellow. (Summer 2014). Department of Writing Studies, University of Minnesota.
- Medtronic/Industrial Affiliates Program Fellow. (Spring 2014). Department of Writing Studies, University of Minnesota and Medtronic.
- James I. Brown Fellow. (Spring 2013). Department of Writing Studies, University of Minnesota.

Grants

external
funded

- Archiving Caleb Pungowiyi's Papers - for Inuit, by Inuit. Trust for Mutual Understanding.
 - Principal investigators: Cana Uluak Itchuaqiyag, Chris Lindgren
 - Start date: 12/20/2021
 - \$15,750
- The White Supremacy of Academic Scholarship: A Data Analysis of Composition/Rhetoric Top Journals and the Denial of Equity. CCCC Research Initiative Grant.
 - Principal investigators: Sweta Baniya, Chris Lindgren, Kevin Smith, Steve Parks, and Laura Gonzales
 - Start date: Fall 2022
 - \$2,500

internal
funded

- Planning the Digitization of the Caleb Pungowiyi Collection. *University Libraries Collaborative Research Grant for Humanities & Social Sciences*.
 - Principal investigators: Cana Uluak Itchuaqiyag, Chris Lindgren, and Mike Adamo
 - Start date: January 2022
 - \$4,716
- English Department Summer Stipend.
 - Start date: Summer 2021
 - \$5,000
- Center for Humanities Summer Stipend. Proximities of white supremacy online: Towards measuring racist discourse to engage content moderation problems.
 - Start date: Summer 2020
 - \$4,000
- Faculty Mentoring Grant. *Virginia Tech*.
 - Start date: Fall 2018

- o \$1,500
- CodeWork: Exploring Digital Studies through code. *Institute for Advanced Study: Research and Creative Collaborative*, University of Minnesota.
 - o Principal investigators: Justin Schell, Chris Lindgren, Alison Link, and Jeffrey Kerzner
 - o Start date: Fall 2014 – Spring 2015
 - o \$10,000
- Sugar on a Stick: Establishing a Smart Computing Culture in Fargo. *Community Projects Award: NDSU Office of the President*.
 - o Principal investigators: Kevin Brooks, Brian Slator, and Chris Lindgren
 - o Start date: Fall 2011 – Spring 2012
 - o \$20,000

not funded

- Center for Humanities Summer Stipend. What are programming languages?
 - o Start date: Summer 2019
 - o \$4,000
- Niles Grant. Virginia Tech, CLAHS Faculty Grants.
 - o Start date: Summer 2019
 - o \$4,000
- Niles Grant. Virginia Tech, CLAHS Faculty Grants.
 - o Start date: Fall 2017
 - o \$4,000

Advising & Mentoring

ph.d.

chair

- Luana Shafer. *Addiction disorder communities: Avenues for online identity articulation, coalition-building, and support* (tentative title).
- Marti Wagnon. *Beyond the tall, tall trees: Studying access and digital literacy in Appalachia*. (tentative title).

member

- Amilia Evans. (title TBD).
- Chloe Robertson. (title TBD).
- Olayemi Awotayo. (title TBD).
- Kat Gray. (title TBD).
- Margaret Fernandes. *Sensing suppression: The sneaky rhetorics of digital content moderation on TikTok*.
- Matthew Homer. *Unsettling visual rhetorics: The connectivity of visual Kaona*. (tentative title).
- Kelly Scarff. *Beyond consensus: A rhetorical genre analysis of the Mountain Valley Pipeline's 401 public hearings*. (Graduated Spring 2021)
- Andrew Kulak. *Internet ontology and the future of digital rhetoric*. (Graduated Spring 2019).

m.a.

chair

- Jonathan Harding. *Student perceptions of screencasted feedback*. (Graduated Spring 2018).

member

- Rhys Whittemore. *Tabletop role-playing games and the actual play show: Author, audience, and adaptation*. (Graduated Spring 2021).
- Zach Thomas. *Embodied rhetorics*. (Graduated Spring 2019).

Service

international

- Reviewer for *International Journal of SocioTechnology and Knowledge Development*.

national

- Founder and Chair. Special Interest Group on the Writing and Rhetorics of Code. *Conference on College Composition & Communication*.
- Website Manager and Advisory Board Member. ACM Special Interest Group on the Design of Communication (SIGDOC). (2022 – present).
- Reviewer for
 - *Written Communication*
 - *Journal of Business and Technical Communication*
 - *IEEE Transactions on Professional Communication*
 - *Present Tense*
 - *Prompt*
 - *Itineration*
- Data designer. Rhetmap.org: Market comparison. Produce and maintain data visualizations for discipline's job market website.

community
outreach

- Partner, "Rematriation of Inuit Knowledges Project," Aqqaluk Trust & Virginia Tech: (Department of English and VT Libraries). (2021 – current).
- Co-Founder and Organizer, "Sugar on a Stick" Computational Coding Afterschool Program for Grades 3-5, Fargo, ND (2010-2013)

university

- Member, College of Liberal Arts, Humanities, and Social Sciences, Working Group for new "Digital Content Creation" minor (Fall 2021)
- Member, Communities of Practice for Writing-Intensive Courses (Summer 2020)
- Co-Created, Planned, and Implemented the "[CodeWork Collaborative](#)" grant-funded project, University of Minnesota, Institute for Advanced Study

departmental

- Member, Professional and Technical Writing Committee (2020-current)
- Member, Rhetoric & Writing PhD Program Committee (2017-current)
- Member, Executive Committee (2019-2021)
- Member, Addressing Anti-Blackness in Professional and Technical Writing Working Group (2020)
- Member, Caregivers Working Group (2020)
- Member, Professional and Technical Writing Sub-Committee (2018-19)
- Member, Recruitment Committee (2017-19)
- General Education (Pathways) Course Redesign: Writing and Digital Media (ENGL 3844, Approved Fall 2019)
- Co-planned redesign of department's Digital Studio classroom (Spring 2018)
- Organized Guest Scholar Visit: Dr. Annette Vee (Fall 2018)
- PhD Application Review Committee (Spring 2018)

Affiliations

- ACM - Special Interest Group on the Design of Communication
- Association of Teachers of Technical Writing
- NCTE
- Rhetoric Society of America

Languages

human

- Mandarin (2 years of coursework)

human/machine

- HTML5/CSS3 (Advanced)
- DITA (Intermediate)
- Javascript (Intermediate)
- Node.js (Novice)
- Python (Intermediate)
- PHP (Novice)
- R (Novice)
- Java (Novice)

Proficiencies

computational	Gephi, Jupyter notebooks, Observable, RStudio
video	Adobe Premiere, iMovie
graphic/image	Adobe Illustrator, Inkscape, FFMPEG/Imagick
audio	Ableton Live, Adobe Audition, Audacity
course management	Blackboard, Canvas, Moodle
version control	git/Github, FTP